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**NAVY PUBLIC WORKS CENTER  
NORFOLK, VIRGINIA  
UTILITIES DEPARTMENT**

**STANDARD OPERATING PROCEDURE / JOB HAZARD ANALYSIS**

**TITLE**  
**INSTALL/REPLACE ALARM TRANSMITTER IN A**  
**SEWER LIFT STATION**

**PROCEDURE NUMBER**  
**WC 624 HVE 070**

**SIGNED:** \_\_\_\_\_  
**(DATE)**

**APPROVED:** \_\_\_\_\_  
**(DATE)**

**SAFETY PROFESSIONAL:** \_\_\_\_\_  
**(DATE)**

**MANAGEMENT OFFICIAL:** \_\_\_\_\_  
**(DATE)**

**REVISION**

**A**

INSTALL/REPLACE ALARM TRANSMITTER IN A SEWER LIFT STATION

**DISTRIBUTION**

CODE	REV/DATE	REV/DATE	REV/DATE	REV/DATE	REV/DATE	REV/DATE	REV/DATE
<b>601.C3</b>							
<b>620</b>							
<b>622</b>							
<b>610.E1</b>							
<b>622.3</b>							

INSTALL/REPLACE ALARM TRANSMITTER IN A SEWER LIFT STATION

REVISIONS

REV	DESCRIPTION	SIGNATURE	DATE
A	Initial Issue.		

## INSTALL/REPLACE ALARM TRANSMITTER IN A SEWER LIFT STATION

**Purpose:**

Procedure to install or replace an alarm transmitter located in a sewer lift station.

**Potential Energy Sources:**

1. 480Y277 equipment and cable in station.
2. 208Y120 equipment and cable in station.
3. DC power in station.

**Tools and PPE:**

Tools: Hand tools, Multimeter, QM-26 meter. PPE: Safety shoes, work gloves, safety glasses.

**References:**

1. PWC Occupational Safety and Health Program Manual, PWCNORVAINST 5100.33E
2. Occupational Safety and Health Standards for General Industry (29 CFR PART 1910): Subpart I, Personnel Protective Equipment; Subpart R, Electrical Power Generation / Transmission / Distribution and Telecommunications; Subpart S, Electrical
3. NFPA 70 E approach distances to exposed, energized, electrical conductors and circuit parts
4. SOP 621.3 SAN 024, Confined Space Entry - Motor Room

**Procedures:**

1. Prepare the station for entry and enter the lift station to complete the assigned work. Refer to the following SOP for entry procedures:

SOP 621.3 SAN 024, Confined Space Entry - Motor Room

The PPE to perform the job will be work gloves, safety shoes, and safety glasses. Refer to JHA for details.

2. Open cabinet doors.
3. Loosen latching screws on cabinet and remove the transmitter and it's plug.
4. Install new transmitter and secure with the latching screws.
5. Check the 12 volt power to the transmitter.
6. Adjust the transmitter's output using a QM-26 meter. Refer to the manufacture's instructions for proper output value.
7. Install plug into the transmitter.
8. Test the transmitter's operation with the P-1 trouble desk.

END